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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicants : Hiroyuki KOBAYASHI et al. Confirmation No. : 5185  
Appl. No. : 10/623,643 Examiner : B. M. FLANAGAN  
Filed : July 22, 2003 Group Art Unit : 3739  
For : CAPSULE ENDOSCOPE GUIDANCE SYSTEM, CAPSULE  
ENDOSCOPE HOLDER, AND CAPSULE ENDOSCOPE

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop AMENDMENT  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir :

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and supplemental to the Information Disclosure Statement filed on November 5, 2003, Applicants hereby call to the Examiner's attention the following documents:

"Diagnostic Imaging in 3 Easy Steps," date unknown;

"The Heidelberg pH Capsule System Telemetric Fasting Gastric Analysis," date unknown;

FRITSCHER-RAVENS et al., "The Wireless Capsule: New Light in the Darkness," Digestive Diseases, Vol. 20, No.2, 2002;

Bio-Medical Telemetry: Sensing and transmitting Biological Information from Animals and Man, R. Stuart Mackay, John Wiley and Sons, New York, 1970, pp. 244-245;

P23820.A06

Evan et al., "Studies of the Human Gastro-Intestinal Tract in the Ambulatory Subject using the pressure sensitive radiotelemetry capsule."

European Patent Publication No. EP 0 248 867;

European Search Report of European Application No. EP 95 30 0254, dated June 7, 1995;

German Patent Publication No. DE 26 06 069, together with patent family member U.S. Patent No. 4,090,176;

German Patent Publication No. DE 29 29 429, together with patent family member U.S. Patent No. 4,278,077;

German Patent Publication No. DE 34 40 177, together with an English language translation of the same;

German Patent Publication No. DE 40 37 586;

LANGE et al. "Heidelberger Kapsel – ein Kleinstesender für die pH-Messung im Magen," Telefunk-Zeitung, Vol. 36, No. 5, 1963, pp. 265-270;

International Patent Publication No. WO 87/03465;

International Patent Publication No. WO 89/01722;

International Patent Publication No. WO 92/19148;

International Patent Publication No. WO 92/21307;

International Patent Publication No. WO 94/5200;

Japanese Laid-open Patent Publication No. HEI 2-159254, together with an English language abstract of the same;

Japanese Laid-open Patent Publication No. HEI 2-36849, together with an English language abstract of the same;

Japanese Laid-open Patent Publication No. HEI 3-136636, together with an English language abstract of the same;

Japanese Laid-open Patent Publication No. HEI 3-289779, together with an English language translation of the same;

Japanese Laid-open Patent Publication No. HEI 4-109927, together with an English language translation of the same;

Japanese Laid-open Patent Publication No. HEI 4-144533, together with an English language translation of the same;

Japanese Laid-open Patent Publication No. HEI 4-180736, together with an English language translation of the same;

Japanese Laid-open Patent Publication No. HEI 5-15515, together with an English language abstract and a partial translation of the same;

Japanese Laid-open Patent Publication No. HEI 5-7573, together with an English language abstract of the same;

Japanese Laid-open Patent Publication No. HEI 6-114037, together with an English language translation of the same;

Japanese Laid-open Patent Publication No. HEI 6-142081, together with an English language translation of the same;

Japanese Laid-open Patent Publication No. HEI 6-285044, together with an English language translation of the same;

Japanese Laid-open Patent Publication No. HEI 7-111985, together with an English language translation of the same;

Japanese Laid-open Patent Publication No. HEI 11-341338, together with an English language abstract of the same;

Japanese Laid-open Patent Publication No. SHO 57-45833, together with an English language abstract of the same;

Japanese Laid-open Patent Publication No. SHO 61-122845, together with an English language abstract of the same;

Japanese Laid-open Patent Publication No. SHO 62-240038, together with an English language abstract of the same;

Manual of Photogrammetry, Vol. 1, Third Edition, American Society of Photogrammetry, 1966, pp. 812-813;

P. SWAIN, "Wireless Capsule Endoscopy," Gut, Vol. 52 (Suppl. IV), 2003, iv48-iv50;

ROWLANDS et al., "The Radio Pill: Telemetering from the Digestive Tract," British Communications and Electronics, August 1960, pp. 598-601;

Soviet Patent Publication No. SU 1827167;

U.S. Patent No. 3,465,103;

U.S. Patent No. 3,572,316;

U.S. Patent No. 3,682,160;

U.S. Patent No. 3,683,389;

U.S. Patent No. 3,933,612;

U.S. Patent No. 3,971,362;

U.S. Patent No. 4,027,510;

U.S. Patent No. 4,090,176;

U.S. Patent No. 4,177,800;  
U.S. Patent No. 4,198,960;  
U.S. Patent No. 4,217,045;  
U.S. Patent No. 4,262,632;  
U.S. Patent No. 4,439,197;  
U.S. Patent No. 4,491,865;  
U.S. Patent No. 4,646,724;  
U.S. Patent No. 4,679,560;  
U.S. Patent No. 4,689,621;  
U.S. Patent No. 4,741,327;  
U.S. Patent No. 4,844,076;  
U.S. Patent No. 4,917,097;  
U.S. Patent No. 4,936,823;  
U.S. Patent No. 4,951,135;  
U.S. Patent No. 5,010,412;  
U.S. Patent No. 5,042,486;  
U.S. Patent No. 5,099,845;  
U.S. Patent No. 5,166,787;  
U.S. Patent No. 5,167,626;  
U.S. Patent No. 5,170,801;  
U.S. Patent No. 5,187,572;  
U.S. Patent No. 5,217,449;  
U.S. Patent No. 5,222,477;

U.S. Patent No. 5,241,961;  
U.S. Patent No. 5,253,647;  
U.S. Patent No. 5,267,033;  
U.S. Patent No. 5,273,025;  
U.S. Patent No. 5,279,607;  
U.S. Patent No. 5,316,015;  
U.S. Patent No. 5,335,662;  
U.S. Patent No. 5,358,514;  
U.S. Patent No. 5,368,027;  
U.S. Patent No. 5,372,133;  
U.S. Patent No. 5,373,840;  
U.S. Patent No. 5,375,596;  
U.S. Patent No. 5,415,181;  
U.S. Patent No. 5,422,636;  
U.S. Patent No. 5,429,132;  
U.S. Patent No. 5,443,066;  
U.S. Patent No. 5,448,990;  
U.S. Patent No. 5,495,114;  
U.S. Patent No. 5,603,687;  
U.S. Patent No. 5,662,587;  
U.S. Patent No. 5,674,265;  
U.S. Patent No. 5,681,020;  
U.S. Patent No. 5,819,736;

U.S. Patent No. 5,993,378;

U.S. Patent No. 6,632,216;

LEUNG et al., "Wireless Capsule Endoscopy in Chinese Patients with Suspected Small Bowel Diseases," Hong Kong Med J. Vol. 10, 2004, pp. 179-183; and

YARBROUGH III et al., "Evaluation of the Heidelberg pH Capsule: Method of Tubeless Gastric Analysis," The American Journal of Surgery, Vol. 117, Feb. 1969, pp. 185-192.

Further to 37 C.F.R. §1.98 (a)(2)(ii), copies of the U.S. patents are not enclosed herewith. However, if any copies are needed, the Examiner is respectfully requested to contact the undersigned.

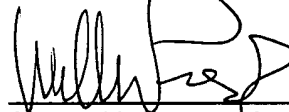
Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted foreign documents are attached hereto and all of the documents are listed on the attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicants with the next official communication in the present application.

Further, Applicant notes that since this Supplemental Information Disclosure Statement is being submitted subsequent to the issuance of an Office Action on the merits, Applicant has included herewith a check in the amount of \$180.00 to cover the fee set forth in 37 C.F.R. §1.17 (p). However, the Commissioner is hereby authorized to charge payment of any necessary additional fees associated with this communication or credit any overpayment to Deposit Account No. 19-0089.

P23820.A06

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,  
Hiroyuki KOBAYASHI et al.



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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	"Diagnostic Imaging in 3 Easy Steps," date unknown.
2	"The Heidelberg pH Capsule System Telemetric Fasting Gastric Analysis," date unknown.
3	FRITSCHER-RAVENS et al., "The Wireless Capsule: New Light in the Darkness," Digestive Diseases, Vol. 20, No.2, 2002.
4	Bio-Medical Telemetry: Sensing and transmitting Biological Information from Animals and Man, R. Stuart Mackay, John Wiley and Sons, New York, 1970, pp. 244-245.
5	Evan et al., "Studies of the Human Gastro-Intestinal Tract in the Ambulatory Subject using the pressure sensitive radiotelemetry capsule."
6	LANGE et al. "Heidelberger Kapsel – ein Kleinstesender für die pH-Messung im Magen," Telefunk-Zeitung, Vol. 36, No. 5, 1963, pp. 265-270.
7	Manual of Photogrammetry, Vol. 1, Third Edition, American Society of Photogrammetry, 1966, pp. 812-813.
8	P. SWAIN, "Wireless Capsule Endoscopy," Gut, Vol. 52 (Suppl. IV), 2003, iv48-iv50.
9	ROWLANDS et al., "The Radio Pill: Telemetering from the Digestive Tract," British Communications and Electronics, August 1960, pp. 598-601.
10	LEUNG et al., "Wireless Capsule Endoscopy in Chinese Patients with Suspected Small Bowel Diseases," Hong Kong Med J. Vol. 10, 2004, pp. 179-183.
11	YARBROUGH III et al., "Evaluation of the Heidelberg pH Capsule: Method of Tubeless Gastric Analysis," The American Journal of Surgery, Vol. 117, Feb. 1969, pp. 185-192.
12	English language Abstract of JP 2-159254.
13	English language Abstract of JP 2-36849.
14	English language Abstract of JP 3-136636.
15	English language Abstract of JP 5-15515.
16	English language Abstract of JP 5-7573.
17	English language Abstract of JP 11-341338.
18	English language Abstract of JP 57-45833.
19	English language Abstract of JP 61-122845.
20	English language Abstract of JP 62-240038.

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## FOREIGN PATENT DOCUMENTS

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		0 2 4 8 8 6 7	02/27/91	E.P.O			
		2 6 0 6 0 6 9	09/02/76	GERMANY			
		2 6 2 9 4 2 9	02/07/80	GERMANY			
		3 4 4 0 1 7 7	11/02/84	GERMANY			
		4 0 3 7 5 8 6	05/27/92	GERMANY			
	87	/ 0 3 4 6 5	06/18/87	W.I.P.O			
	89	/ 0 1 7 2 2	02/23/89	W.I.P.O			
	92	/ 1 9 1 4 8	11/12/92	W.I.P.O			
	92	/ 2 1 3 0 7	12/10/92	W.I.P.O			
	94	/ 0 5 2 0 0	03/17/94	W.I.P.O			
	2	- 1 5 9 2 5 4	02/06/90	JAPAN			
	2	- 3 6 8 4 9	02/06/90	JAPAN			
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	3	- 2 8 9 7 7 9	12/19/91	JAPAN			X
	4	- 1 0 9 9 2 7	04/10/92	JAPAN			X
	4	- 1 4 4 5 3 3	05/19/92	JAPAN			X
	4	- 1 8 0 7 3 6	06/26/92	JAPAN			X
	5	- 0 1 5 5 1 5	01/26/93	JAPAN			X
	5	0 0 7 5 7 3	01/19/93	JAPAN			
	6	- 1 1 4 0 3 7	04/26/94	JAPAN			X
	6	- 1 4 2 0 8 1	05/24/94	JAPAN			X
	6	- 2 8 5 0 4 4	10/11/94	JAPAN			X
	7	- 1 1 1 9 8 5	05/02/95	JAPAN			X
	11	- 3 4 1 3 3 8	12/10/99	JAPAN			
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	62	- 2 4 0 0 3 8	10/20/87	JAPAN			
		1 8 2 7 1 6 7	07/15/93	SOVIET			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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P23820Application No.  
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**INFORMATION DISCLOSURE STATEMENT  
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	3 4 6 5 1 0 3	9/02/69	T. J. LYNCH			
	3 5 7 2 3 1 6	03/23/71	J. H. VOGELMAN et al.			
	3 6 8 2 1 6 0	08/08/72	MURATA			
	3 6 8 3 3 8 9	08/08/72	HOLLIS			
	3 9 3 3 6 1 2	01/20/76	FISCHER et al.			
	3 9 7 1 3 6 2	07/27/76	POPO et al.			
	4 0 2 7 5 1 0	06/07/77	HITEBRANDT			
	4 0 9 0 1 7 6	05/16/78	RODLER			
	4 1 7 7 8 0 0	12/11/79	ENGER			
	4 1 9 8 9 6 0	04/22/80	UTSUGI			
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	4 2 6 2 6 3 2	04/21/81	HANTON et al.			
	4 4 3 9 1 9 7	03/27/84	HONDA et al.			
	4 4 1 9 8 6 5	01/01/85	DANNA et al.			
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	4 8 4 4 0 7 6	07/04/89	LESHO et al.			
	4 9 1 7 0 9 7	04/17/90	PROUDIAN, DECEASED et al.			
	4 9 3 6 8 2 3	06/26/90	COLVIN et al.			
	4 9 5 1 1 3 5	08/21/90	SASAGAWA et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

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		5 0 4 2 4 8 6	08/27/91	PFEILER et al.			
		5 0 9 9 8 4 5	03/31/92	BESZ et al.			
		5 1 6 6 7 8 7	11/24/92	IRION			
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		5 1 7 0 8 0 1	12/15/92	CASPER et al.			
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		5 2 1 7 4 4 9	06/08/93	YUDA et al.			
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		5 2 7 9 6 0 7	01/18/94	SCHENTAG et al.			
		5 3 1 6 0 1 5	05/13/94	SINAIKO			
		5 3 3 5 6 6 2	08/09/94	KIMURA et al.			
		5 3 5 8 5 1 4	10/25/94	SCHULMAN et al.			
		5 3 6 8 0 2 7	11/29/94	LUBBERS et al.			
		5 3 7 2 1 3 3	12/13/94	HOGEN ESCH			
		5 3 7 3 8 4 0	12/20/94	KNIGHTON			
		5 3 7 5 5 9 6	12/27/94	TWISS et al.			
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		5 4 4 3 0 6 6	08/22/95	DUMOULIN et al.			
		5 4 4 8 9 9 0	09/12/95	DE FARIA-CORREA			
		5 4 9 5 1 1 4	02/27/96	ADAIR			

**FOREIGN PATENT DOCUMENTS**

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		5 6 0 3 6 8 7	02/18/97	HORI et al.			
		5 6 6 2 5 8 7	09/02/97	GRUNDFEST et al.			
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		5 6 8 1 0 2 0	10/28/97	BUCK			
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		5 9 9 3 3 7 8	11/30/99	LEMELSON			
		6 6 3 2 2 1 6	10/14/03	HOUZEGO et al.			
		4 0 9 0 1 7 6	05/16/78	RODLER			
		4 2 7 8 0 7 7	07/14/81	MIZUMOTO			

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